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(54) Title: BORON COATED ABRASIVES

(57) Abstract: A process forming boron coated abrasives, in particular boron coated abrasive particles, which may be used in saw blade segments, grinding wheels and other grit-containing tools. Whilst the process is particularly suited to the coating of abrasive particles, it can be applied to any abrasives for use in grinding, cutting or polishing tools, or to such tools themselves. In the case of abrasive particles, these are mixed with boron and boric acid powder, in a suitable ratio, and furnace at a temperature between 800 and 1200 °C for a length of time in an inert atmosphere sufficient to coat the particles.

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